If any impediments remain to prompt allowance of the case, please contact the undersigned at 925-292-8652.

Respectfully submitted,

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**Version With Markings To Show Changes Made**



In the claims:

Claims 12-17 and 38-52 have been amended as follows:

12. (Amended) The [method] model of claim 11, wherein said mediator generation program comprises:

reading said metadata;

generating translation libraries;

generating an API; and

generating said mediator.

13. (Amended) The [method] model of claim 12, wherein the step of reading said metadata comprises reading the abstraction metadata; reading the translation metadata; reading the database description metadata; and reading the mapping metadata.

14. (Amended) The [method] model of claim 12, wherein the step of generating translation libraries comprises developing public and private class definitions and implementations of data structures.

15. (Amended) The [method] model of claim 14, wherein said data structures comprise said abstractions and said translations.

16. (Amended) The [method] model of claim 12, wherein generating the mediator consists of creating public and private definitions and implementations of a class or classes capable of receiving data in one format, converting it to another format, and loading it into a data warehouse.

17. (Amended) The [method] model of claim 16, wherein said data is received by a receiving data structure defined within said translation library and said data is loaded into a warehouse whose schema corresponds to the database description component of the metadata.

[38] 39. (Amended) The model of claim 35, wherein generating the mediator consists of creating public and private definitions and implementations of a class or classes capable of receiving data in one format, converting it to another format, and loading it into a data warehouse.

[39] 40. The model of claim [38] 39, wherein said data is received by a receiving data structure defined within said translation library and said data is loaded into a warehouse whose schema corresponds to the database description component of the metadata.

[40] 41. (Amended) The [model] computer-usable medium of claim 24, wherein said method is applied to data warehousing applications in the domain of protein sequence and structure analysis.

[41] 42. (Amended) The [model] computer-usable medium of claim 24, wherein said method is applied to data warehousing applications in the domain of functional genomics and proteomics.

[42] 43. (Amended) The [model] computer-usable medium of claim 24, wherein said method is used for integrating a new data source into a data warehouse.

[43] 44. (Amended) The [model] computer-usable medium of claim 24, wherein said method is used for updating a warehouse when a previously integrated data source is modified.

[44] 45. (Amended) The model of claim 32, as defined by the UML DataFoundry representation.

[45] 46. (Amended) The model of claim 37, wherein said data structures correspond to said abstractions and said translations.

[46] 47. (Amended) An apparatus for maintaining a data warehouse, comprising:

means for identifying a data source of interest;

means for updating a metadata to reflect information available from said source;

means for automatically generating a mediator based on said metadata; and

means for writing a wrapper for said source which calls said mediator.

[47] 48. (Amended) The method of claim 1, wherein said method is applied to data warehousing applications in the domain of astrophysics and climate modeling.

[48] 49. (Amended) The method of claim 1, wherein said method is applied to data warehousing applications in the domain of medical image processing and analysis.

[49] 50. (Amended) The method of claim 1, wherein said method is applied to data warehousing applications in the domain of tracking consumer and customer preferences.

[50] 51. (Amended) The method of claim 1, wherein said method is applied to data warehousing applications in the domain of satellite and terrestial communication systems analysis.

[51] 52. (Amended) The method of claim 1, wherein said method is used for integrating a new data source into a data warehouse.

[52] 53. (Amended) The method of claim 1, wherein said method is used for updating a warehouse when a previously integrated data source is modified.